QQ401.CFE
(X0)INTERRUPT
RE-ENTRY.

```
X0 —— 0F86
A 0+S
A →D
B 0+0.01
B          F→U
L RNGP2→S
C J7→ABC
R F1≠9
C1—      ※X —CA
ODT ADDRESS TO S.
WCT ADDRESS TO D
AND SET ABC.CHECK
STATUS CODE.BRANCH
IF STATUS CODE
NOT EQUAL TO 9.
```

```
1X —— 0F82
A 0+S
A →IC
B →F1
L RNGP3→T
S MS-REQ&D-3
R W1=1
C2—      ※X —CB
IRXT CODE IN F0.
0 TO F1.NDT
ADDRESS TO T.
ODT ADDRESS TO IC.
BRANCH IF STATUS
CODE=1.FETCH WCT.
```

```
1X —— 0E86
B 1+0
B →F1
A3—      XX —AC
STATUS CODE=1.ODD
DELETE S/C.NOT
ADJUSTED.
```

```
0X —— 0E84
C3—      XX —CC
STATUS CODE=0.
DELETE EVEN OR DE-
LETE ODD ADJUSTED.
```

```
XX —— 0E87
A 0+T
A →D
B 0+U0.0
B          F→U
L RNGP0→S
S MS-REQ&IC-4
A4—      XX —AD
NDT ADDRESS TO D.
CHECK IRXT CODE.
FETCH ODT.
```

```
XX —— 0E88
A 0+S
A →NK
D MS→AB
L RNGP1→T
C D→STC
R BW(01-02)
A5—      XX —AE
HISTORY COUNT TO K.
STC TO NDT BYTE.
WCT TO AB.BRANCH
ON IRXT CODE.
BITS 1 AND 2.
```

```
00 —— 0F88
D MS→Q
D RMS→LM
S STOP2
C 1→STAG
A6—      XX —AF
IRXT CODE=0001.
ODT TO Q.LM.STAT
G ON FOR MOVE HIST.
01 —— 0E89
E RN0100→V0
B V+U
B →F0      AB→U
D MS→Q
D RMS→LM
L RNGP3→T
S STOP2
C6—      XX —CF
IRXT CODE 001X.CHECK
WCT ORDER FOR MODIFY.
ODT TO Q.LM.NDT
ADDRESS TO T.
```

```
XX —— 0F91
B 0+U
A →F0      AB→U
D RLM→N.Q→R※IC
A7—      XX —AG
ODT DESCRIPTOR TO
N.R.NEXT WCT
ORDER TO F0.
```

```
XX —— 0F90
D R→F
A8—      XX —AH
ODT DESCRIPTOR
TO E.
```

```
XX —— 0F97
B RN0→V
B V+0
L RNGP4→T
R          0
A9—      X0 —AI
CHECK ODT DE-
SCRIPTOR FOR NULL.
BRANCH TO T.
```

QQ441——AIE
(X0)ENTER
MOVE HISTORY
ROUTINE.
IRXT CODE 0001

```
XX —— 0F8D
D RLM→N.Q→R※IC
L RNGP7→S
R          W=0
CB—      X※ —CM
WCT ADDRESS TO S.
ODT DESCRIPTOR TO
N.R.
```

QQ431——CHE
(X0.X1) ENTER
MODIFY ROUTINE

```
10 —— 0E8A
B RN0100→V0
B V+U
B →F0      AB→U
D MS→Q
D RMS→LM
S STOP2
E7—      XX —FG
IRXT CODE 010X
CHECK WCT ORDER
FOR MODIFY.ODT
TO Q.LM.
```

```
XX —— 0E8C
A 0+RK
A →B
B RN0001→V0
B V+U
B →F0      F→U
C STC+1
D RLM→N.Q→R※IC
R          0
E9—      X0 —FI
HISTORY S/C TO B.NDT
TO N.R.STC TO SECOND
BYTE OF LAST NDT ENTRY STORED.
```

QQ441——EIE
(X0)ENTER
MOVE CURRENT
ROUTINE.

```
11 —— 0E8B
B RN0101→V0
B V+U
B →F0      AB→U
G6—      XX —GF
IRXT CODE 011X.
WCT ORDER SHOULD
BE INSERT OR
EDCT.
```

```
XX —— 0E8F
A 0+T
A →NK
B →F1
C 0→STC
G8—      XX —GH
CURRENT COUNT TO K.
0 TO F1.
```

```
XX —— 0E94
B RN0011→V0
B V+U
B          F→U
C 0→ABC
G9—      XX —GI
CHECK WCT ORDER.
```

QQ461——GJE
(XX)ENTER
INSERT
DESCRIPTOR
ROUTINE.

STATUS CODE=9 FOR
RE-ENTRY TO DE→DE.
OR SE→DE ROUTINES.

```
0X —— 0E80
A RN2+RN2
A →A
B 0+U0.0
B →F       F→U
D J7→ABC
L RNGP5→S
N2—      XX —NB
STATUS CODE =9.
NRMA TO S.4 TO A.
ABC.0 TO 4.
```

```
XX —— 0E83
A 0+S
A →IC
B RN1011→V0
B V+U
B          F→U
L RNFP2→S
C ABC.STC-1
N3—      XX —NC
NRMA TO IC.
INSERT COUNT TO S.
ABC.4 TO 3.
STC.4 TO 3.
CHECK IRXT CODE
FOR 1011.
```

```
XX —— 0E8E
A 0+S
A →NK
L RNGP4→S.T
R          W=0
N4—      X※ —ND
ORMA TO S.T
INSERT COUNT TO K.
BRANCH IF IRXT
CODE=1011.
```

```
X0 —— 0F10
L WNFP0
N5—      XX —NE
ORMA TO FPR0.
```

```
X1 —— 0E11
L RNGP11→S
C 0→STC
Q5—      XX —QE
NEW NDT ADDRESS TO S.
```

```
XX —— 0DD0
L RNGP1→T
C STC+1
N6—      XX —NF
CURRENT COUNT
TO T.STC.3 TO 4.
```

```
XX —— 0E95
B V0.0+0
L RNGP7→S
R          1
Q6—      X1 —QF
WCT ADDRESS TO S.
CHECK FOR NDT PAGE
OFLOW.
```

```
XX —— 0DD1
B RN1000→V0
B V+0
R →ST
L WNFP6
C STC-1
R          0
N7—      X0 —NG
1 TO FPR6.BIT 0
TO INDICATE RE-ENTRY
FOR MULTIPLE INTERRUPT
RECOVERY.CURRENT
COUNT TO FPR6 FOR
STORE PROT RECOVERY.
```

QQ531——NGE
(X0)RE-ENTER
DE→DE.SE→DE
ROUTINES.

QQ521——QFE
(X1)ALL
SYMBOLS MOVED
TO NRM FOR
CURRENT CLASS
TYPE.

RPSB.LOCAL STORAGE REGISTER ASSIGNMENTS.

GPR0	HISTORY SYMBOL COUNT
GPR1	CURRENT SYMBOL COUNT
GPR2	OLD DESCRIPTOR TABLE ADDRESS
GPR3	NEW DESCRIPTOR TABLE ADDRESS
GPR4	OLD REFRESH MEMORY ADDRESS
GPR5	NEW REFRESH MEMORY ADDRESS
GPR6	NEXT SORT BIN ADDRESS
GPR7	WORK CONTROL TABLE ADDRESS
GPR8	STATUS CODE(BITS 0-3)IRXT CODE (BITS 4-7).2XBIN NO.(27-31)
GPR9	SORT BIN START ADDRESS (DISP)
GPR10	SORT BIN BASE ADDRESS
GPR11	NEW DSCRPTR TABLE PAGE ADDRESS
FPR0	ORMA FOR INTERRUPT ROUTINES
FPR1	DELETE ROUTINES WORK REG
FPR2	INSERT SYMBOL COUNT (BYTES)
FPR3	NRMA FOR INTERRUPT ROUTINES.
FPR4	CONSTANT (00000004)
FPR5	ORIGINAL HISTORY BYTE COUNT
FPR6	MULT INT IND.ORIG C/C BYTE CNT
FPR7	NOT USED

Q
Q
5
0
1

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714944	06/09/70	NAME		LOG 246	VERSION
		MODE	MANUAL	RPSB INSTRUCTION.INTERRUPT	
		P.N.	2583868	ENTRY ROUTINES.	
		IBM CORP.	SDD		